

LL-W-V

Internal Wall Mounted Light Level Sensor



Features:

- 0-10Vdc output
- Corner or flat wall mounted
- 24Vac/dc powered

Benefit:

- Energy saving by dimming light ballast

Technical Overview

The LL-W-V is a light level transmitter designed for use in the active control of artificial lighting, both to optimise light levels and to achieve maximum energy efficiency.

The LL-W-V transmitter uses a photo-diode cell to detect light levels in the 10-2000 lux range, providing a linear 0-10Vdc output signal.

The LL-W-V is designed to be wall mounted for the measurement of all types of light levels.

For pricing or any further information, please contact Omni Instruments Ltd.



Specification:

Sensor reference	Photo-diode
Accuracy	±5% across range
Field of view	90°
Coverage	21 metres (19.69ft) max.
Light range	10 - 2000 Lux
Supply Voltage	24Vac/dc
Dimensions	See Page 3
Installation height	2-3m (6.5 -9.84ft) above the floor
Ambient	
Temperature	-10 to +40°C (14 to 104°F)
Humidity	90%RH non-condensing
Material	Flame retardant ABS, polypropylene
Protection	IP30
Country of origin	China

Part Codes:

LL-W-V

Internal Wall Mounted Light Level Sensor



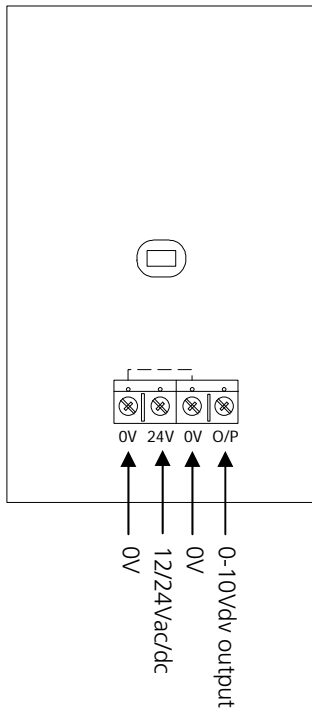
The products referred to in this data sheet meet the requirements of EU Directive 2004/108/EC

For Pricing and any further information, please contact

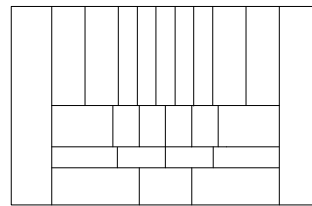
Omni Instruments Ltd
Suite E Ground Floor
East Kingsway Business Centre
Mid Craigie Trading Estate
Mid Craigie Road
Dundee DD4 7RH
Email: info@omni.uk.com
Web www.omniinstruments.co.uk
Telephone: +44 (0) 845 9000 601



Installation & connections:



- Avoid direct sunlight entering the sensor.
- Do not site within 1m of forced air heating or ventilation.
- Do not site within 1m of any lighting.
- Do not fix to a vibrating surface.



Lens Patten

Mounting:

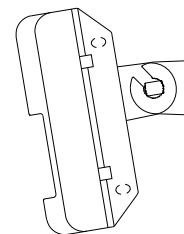
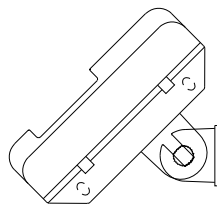
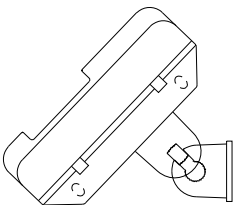
Bracket Mounting

The recommended fixing of the LL-W-V to a flat wall or corner is using the bracket included with the unit. The bracket is secured using screws (not supplied) and then the housing is simply attached as shown in the diagram below.

The wall bracket must be fitted with the opening pointing upwards.

Align the bracket opening with the LL-W-V housing.

Adjust, as required.



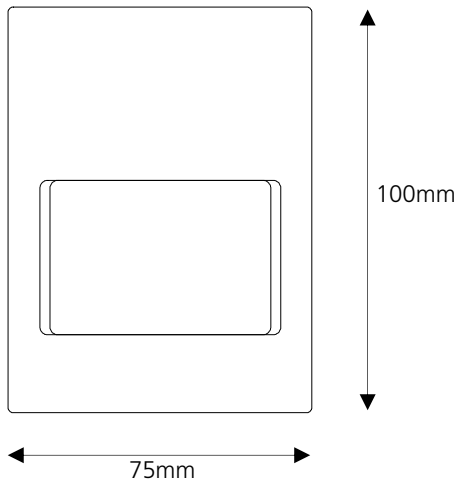
Direct Mounting

Direct mounting to either a corner or flat wall is achieved using knock-out's in the back cover. The front cover is removed by unclipping it which will reveal a number of knockouts on the rear part of the enclosure. These are simply punched or drilled out and the rear section is then fixed directly to the surface. The front cover can then be clipped back into place.

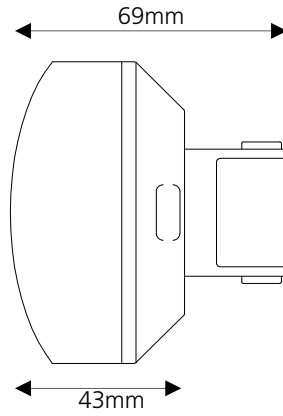


Dimensions:

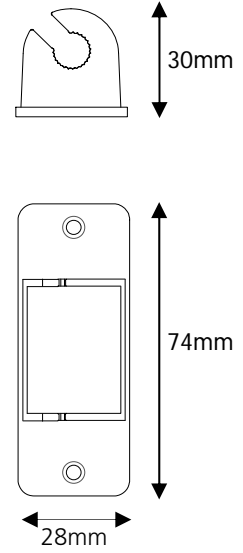
Front:



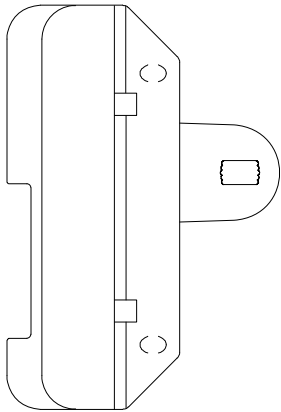
Top:



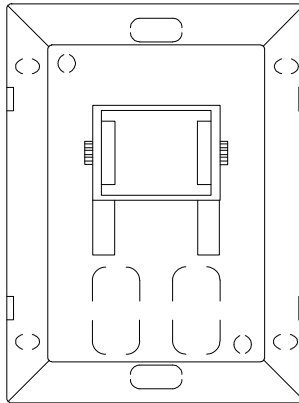
Wall bracket:



Side:



Back plate



Whilst every effort has been made to ensure the accuracy of this specification, We cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.